

GenCore version 5.1.9
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OM protein - protein search, using sw model

Run on: July 15, 2006, 06:19:05 ; Search time 51 Seconds
(without alignments)
415.341 Million cell updates/sec

Perfect score: 1242
1 MAALMGFPVLLILLISGD.....SGKSSSSSKTKGSGAGKR 242

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1500 summaries

Database :
1: /EMC_Celerra_SIDS3/ptodata/2/iaa/5_COMB.pep:*
2: /EMC_Celerra_SIDS3/ptodata/2/iaa/6_COMB.pep:*
3: /EMC_Celerra_SIDS3/ptodata/2/iaa/7_COMB.pep:*
4: /EMC_Celerra_SIDS3/ptodata/2/iaa/H_COMB.pep:*
5: /EMC_Celerra_SIDS3/ptodata/2/iaa/PCTUS_COMB.pep:*
6: /EMC_Celerra_SIDS3/ptodata/2/iaa/RE_COMB.pep:*
7: /EMC_Celerra_SIDS3/ptodata/2/iaa/backfilltest.pep:*

Pred. NO. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	875	70.5	168	US-09-148-545-280	Sequence 280, App
2	875	70.5	168	US-09-621-011-280	Sequence 280, App
3	800	64.4	155	US-09-621-976-3888	Sequence 3888, App
4	457	36.8	88	US-09-513-999C-4221	Sequence 4221, App
5	367	29.5	74	US-09-148-545-198	Sequence 198, App
6	367	29.5	74	US-09-621-011-198	Sequence 198, App
7	239	19.2	50	US-09-471-276-815	Sequence 815, App
8	94.5	7.6	250	US-10-104-047-3933	Sequence 3933, App
9	86.5	7.0	5032	US-09-538-093-979	Sequence 979, App
10	86	6.9	17	US-09-148-545-279	Sequence 279, App
11	86	6.9	17	US-09-621-011-279	Sequence 279, App
12	85.5	6.9	213	US-09-328-352-6122	Sequence 6122, App
13	85.5	6.9	434	US-09-902-540-13003	Sequence 13003, App
14	85.5	6.9	459	US-09-949-016-11641	Sequence 11641, App
15	85.5	6.9	1242	US-10-037-417-110	Sequence 110, App
16	83.5	6.7	440	US-09-489-039A-10833	Sequence 10833, App
17	83	6.7	432	US-09-252-991A-20457	Sequence 20457, App
18	83	6.7	475	US-09-252-991A-16721	Sequence 16721, App
19	81.5	6.6	522	US-10-012-542-220	Sequence 220, App
20	81.5	6.6	522	US-10-012-542-220	Sequence 220, App
21	81.5	6.6	522	US-10-115-123-220	Sequence 220, App
22	81.5	6.6	533	US-09-107-532A-6006	Sequence 6006, App
23	81.5	6.6	555	US-09-461-325-251	Sequence 251, App
24	81.5	6.6	555	US-10-012-542-251	Sequence 251, App
25	81.5	6.6	555	US-10-115-123-251	Sequence 251, App
37	79.5	6.4	590	US-08-743-168B-43	Sequence 43, App1
38	79	6.4	608	US-09-413-814-92	Sequence 92, App1

39	79	6.4	885	US-08-500-857A-8	Sequence 8, App1
40	79	6.4	1213	US-09-413-814-79	Sequence 79, App1
41	78.5	6.3	706	US-09-902-540-15975	Sequence 15975, App
42	78	6.3	580	US-09-188-930-307	Sequence 307, App
43	78	6.3	580	US-09-312-283C-307	Sequence 307, App
44	78	6.3	705	US-09-134-001C-5356	Sequence 5356, App
45	77.5	6.2	269	US-09-134-001C-3461	Sequence 3461, App
46	77.5	6.2	545	US-09-902-540-10576	Sequence 10576, App
47	77.5	6.2	600	US-09-540-236-2955	Sequence 2955, App
48	77.5	6.2	825	US-09-489-039A-11003	Sequence 11003, App
49	77	6.2	332	US-09-248-796A-20189	Sequence 20189, App
50	77	6.2	785	US-09-939-853A-15	Sequence 15, App1
51	76.5	6.2	780	US-09-252-991A-32892	Sequence 32892, App
52	76.5	6.2	5532	US-09-914-286-6	Sequence 6, App1
53	76	6.1	568	US-08-320-559-30	Sequence 30, App1
54	76	6.1	568	US-08-545-860D-30	Sequence 30, App1
55	76	6.1	568	US-09-538-092-1114	Sequence 1114, App
56	76	6.1	568	PCT-US94-04496-30	Sequence 30, App1
57	76	6.1	621	US-09-248-796A-19368	Sequence 19368, App
58	76	6.1	712	US-08-121-713D-64	Sequence 64, App1
59	76	6.1	712	US-08-835-268-64	Sequence 64, App1
60	76	6.1	712	US-09-060-692-64	Sequence 64, App1
61	76	6.1	712	US-08-833-391-64	Sequence 64, App1
62	76	6.1	712	US-09-060-610-64	Sequence 64, App1
63	76	6.1	712	PCT-US94-10151A-64	Sequence 64, App1
64	75.5	6.1	244	US-08-762-129-3	Sequence 3, App1
65	75.5	6.1	521	US-09-248-796A-23363	Sequence 23363, App
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67	75	6.0	268	US-09-107-433-3034	Sequence 3034, App
68	75	6.0	316	US-09-710-279-1350	Sequence 1350, App
69	75	6.0	324	US-09-134-001C-4774	Sequence 4774, App
70	75	6.0	498	US-09-902-540-14584	Sequence 14584, App
71	75	6.0	695	US-09-270-767-43792	Sequence 43792, App
72	75	6.0	1376	US-09-949-016-6289	Sequence 6289, App
73	74.5	6.0	875	US-10-199-229-10	Sequence 10, App1
74	74	6.0	590	US-09-902-540-10939	Sequence 10939, App
75	74	6.0	1059	US-09-902-540-10430	Sequence 10430, App
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77	73.5	5.9	372	US-08-501-003A-12	Sequence 12, App1
78	73.5	5.9	383	US-08-501-003A-14	Sequence 14, App1
79	73.5	5.9	389	US-08-501-003A-11	Sequence 11, App1
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81	73.5	5.9	391	US-09-949-016-5904	Sequence 5904, App
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83	73.5	5.9	411	US-09-949-016-8100	Sequence 8100, App
84	73.5	5.9	473	US-09-482-273-120	Sequence 120, App
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86	73.5	5.9	753	US-09-328-352-5412	Sequence 5412, App
87	73.5	5.9	803	US-09-543-681A-4623	Sequence 4623, App
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89	73	5.9	249	US-10-027-450-47	Sequence 47, App1
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98	72.5	5.8	292	US-09-902-540-13893	Sequence 13893, App
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113	72.5	5.8	984	US-08-257-073-3	Sequence 3, App1
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115	72.5	5.8	984	US-08-458-356-120	Sequence 120, App
116	72.5	5.8	984	US-08-460-736-120	Sequence 120, App
117	72.5	5.8	984	US-09-535-370-120	Sequence 120, App
118	72.5	5.8	984	US-09-663-667-120	Sequence 120, App
119	72.5	5.8	5037	US-09-424-783-4	Sequence 4, App1
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121	72	5.8	244	US-09-173-300-53	Sequence 53, App1
122	72	5.8	244	US-10-027-450-53	Sequence 53, App1

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125	72	5.8	569	1	US-08-750-723A-2	Sequence 2, Appli	198	69.5	5.6	557	2	US-09-710-279-1486	Sequence 1486, Ap
126	72	5.8	569	2	US-09-191-275-2	Sequence 2, Appli	199	69.5	5.6	538	2	US-09-114-001C-4178	Sequence 4178, Ap
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272	68	5.5	903	2	US-08-720-229-22	Sequence 22, Appl	345	66.5	5.4	259	1	US-08-808-550-39	Sequence 39, Appl
273	68	5.5	904	2	US-08-632-537-1	Sequence 1, Appl	346	66.5	5.4	267	2	US-09-252-991A-3030	Sequence 3030, A
274	68	5.5	904	2	PCT-US96-05316-1	Sequence 1, Appl	347	66.5	5.4	277	3	US-09-936-271A-45	Sequence 45, Appl
275	68	5.5	1089	1	US-08-375-300-2	Sequence 2, Appl	348	66.5	5.4	278	2	US-09-583-110-3397	Sequence 3397, Ap
276	68	5.5	1089	2	US-08-177-431-2	Sequence 2, Appl	349	66.5	5.4	279	2	US-09-902-540-12548	Sequence 12548, A
277	68	5.5	1089	5	PCT-US95-16930-2	Sequence 2, Appl	350	66.5	5.4	286	2	US-09-107-433-4095	Sequence 4095, Ap
278	68	5.5	1529	1	US-08-728-470-10	Sequence 10, Appl	351	66.5	5.4	391	2	US-09-489-039A-10039	Sequence 10039, A
279	68	5.5	1529	2	US-08-719-641-10	Sequence 10, Appl	352	66.5	5.4	400	2	US-09-134-000C-3791	Sequence 3791, Ap
280	68	5.5	1600	1	US-08-617-697-10	Sequence 10, Appl	353	66.5	5.4	404	2	US-09-252-991A-133013	Sequence 33013, A
281	68	5.5	1709	2	US-09-392-812A-6	Sequence 6, Appl	354	66.5	5.4	405	2	US-09-252-991A-23282	Sequence 23282, A
282	68	5.5	2647	1	US-08-583-562B-8	Sequence 8, Appl	355	66.5	5.4	429	2	US-08-311-721A-287	Sequence 287, App
283	68	5.5	2647	1	US-08-779-113-8	Sequence 8, Appl	356	66.5	5.4	436	2	US-09-252-991A-22081	Sequence 22081, A
284	68	5.5	2647	2	US-09-949-016-6082	Sequence 6082, Ap	357	66.5	5.4	440	2	US-09-252-991A-25378	Sequence 25378, A
285	68	5.5	2666	2	US-09-949-016-10857	Sequence 10857, A	358	66.5	5.4	477	2	US-09-949-016-9922	Sequence 9922, Ap
286	68	5.5	3835	3	US-10-009-011-2	Sequence 2, Appl	359	66.5	5.4	544	2	US-09-489-039A-13113	Sequence 13113, A
287	67.5	5.4	1110	2	US-09-252-991A-25566	Sequence 25566, A	360	66.5	5.4	571	2	US-10-104-047-2414	Sequence 2414, Ap
288	67.5	5.4	341	2	US-09-248-796A-20844	Sequence 20844, A	361	66.5	5.4	587	2	US-09-489-039A-12327	Sequence 12327, A
289	67.5	5.4	383	2	US-09-939-853A-22	Sequence 22, Appl	362	66.5	5.4	650	1	US-08-121-713D-60	Sequence 60, Appl
290	67.5	5.4	408	2	US-09-554-765-15	Sequence 15, Appl	363	66.5	5.4	650	1	US-08-835-268-60	Sequence 60, Appl
291	67.5	5.4	408	2	US-09-489-039A-9583	Sequence 9583, Ap	364	66.5	5.4	650	1	US-09-060-692-60	Sequence 60, Appl
292	67.5	5.4	547	2	US-10-324-967-14	Sequence 14, Appl	365	66.5	5.4	650	2	US-08-833-391-60	Sequence 60, Appl
293	67.5	5.4	551	2	US-09-252-991A-32760	Sequence 32760, A	366	66.5	5.4	650	2	US-09-060-610-60	Sequence 60, Appl
294	67.5	5.4	922	2	US-08-460-268C-6	Sequence 6, Appl	367	66.5	5.4	650	5	PCT-US94-10151A-60	Sequence 60, Appl
295	67.5	5.4	922	2	US-10-302-896-6	Sequence 6, Appl	368	66.5	5.4	704	2	US-09-270-767-44117	Sequence 44117, A
296	67.5	5.4	926	1	US-08-159-340A-2	Sequence 2, Appl	369	66.5	5.4	704	2	US-09-949-002-407	Sequence 407, App
297	67.5	5.4	1092	3	US-10-135-322-18	Sequence 18, Appl	370	66.5	5.4	802	2	US-09-134-001C-3840	Sequence 3840, Ap
298	67.5	5.4	1114	2	US-08-811-583-2	Sequence 2, Appl	371	66.5	5.4	808	2	US-09-198-452A-327	Sequence 327, App
299	67.5	5.4	1401	2	US-09-127-670-6	Sequence 6, Appl	372	66.5	5.4	808	2	US-09-438-185A-312	Sequence 312, App
300	67.5	5.4	1627	1	US-07-665-799E-9	Sequence 9, Appl	373	66.5	5.4	1057	3	US-10-135-322-5	Sequence 5, Appl
301	67.5	5.4	2627	1	US-08-751-189-3	Sequence 3, Appl	374	66.5	5.4	1057	3	US-10-135-322-24	Sequence 24, Appl
302	67.5	5.4	2627	1	US-09-060-836-3	Sequence 3, Appl	375	66.5	5.4	1088	2	US-09-130-242-2	Sequence 2, Appl
303	67.5	5.4	2627	1	US-09-184-445-3	Sequence 3, Appl	376	66.5	5.4	1088	2	US-09-583-610D-2	Sequence 2, Appl
304	67	5.4	123	2	US-09-252-991A-31886	Sequence 31886, A	377	66.5	5.4	1088	2	US-09-949-016-6595	Sequence 6595, Ap
305	67	5.4	220	2	US-09-107-532A-7188	Sequence 7188, Ap	378	66.5	5.4	1091	2	US-09-949-016-6595	Sequence 6595, Ap
306	67	5.4	227	2	US-09-634-238-289	Sequence 289, App	379	66.5	5.4	1251	2	US-09-698-286A-9	Sequence 9, Appl
307	67	5.4	257	2	US-09-173-300-49	Sequence 49, Appl	380	66.5	5.4	1255	2	US-09-949-016-10348	Sequence 10348, A
308	67	5.4	257	2	US-10-027-450-49	Sequence 49, Appl	381	66.5	5.4	1422	2	US-08-469-260A-81	Sequence 81, Appl
309	67	5.4	283	2	US-09-893-737-152	Sequence 152, App	382	66.5	5.4	1422	2	US-08-468-446-81	Sequence 81, Appl
310	67	5.4	283	2	US-09-893-737-298	Sequence 298, App	383	66.5	5.4	1422	2	US-08-467-344A-81	Sequence 81, Appl
311	67	5.4	324	2	US-09-370-5540-15088	Sequence 15088, A	384	66.5	5.4	1422	2	US-08-424-550B-81	Sequence 81, Appl
312	67	5.4	335	1	US-08-379-556A-10	Sequence 10, Appl	385	66.5	5.3	167	2	US-09-902-540-11616	Sequence 11616, A
313	67	5.4	378	1	US-09-134-000C-5909	Sequence 5909, Ap	386	66	5.3	215	2	US-09-248-796A-16120	Sequence 16120, A
314	67	5.4	416	2	US-09-228-246-4	Sequence 4, Appl	387	66	5.3	228	1	US-09-248-796A-23334	Sequence 23334, A
315	67	5.4	420	2	US-09-270-767-43304	Sequence 43304, A	388	66	5.3	237	1	US-08-672-564-3	Sequence 3, Appl
316	67	5.4	443	1	US-08-399-986B-2	Sequence 2, Appl	389	66	5.3	241	2	US-09-107-532A-5474	Sequence 5474, Ap
317	67	5.4	443	1	US-08-493-754A-2	Sequence 2, Appl	390	66	5.3	243	2	US-09-270-767-53105	Sequence 53105, A
318	67	5.4	477	2	US-09-252-991A-27656	Sequence 27656, A	391	66	5.3	257	2	US-09-489-039A-13129	Sequence 13129, A
319	67	5.4	492	2	US-10-237-551-204	Sequence 204, App	392	66	5.3	268	2	US-09-134-000C-6361	Sequence 6361, Ap
320	67	5.4	505	2	US-09-382-256-16	Sequence 16, Appl	393	66	5.3	269	2	US-09-252-991A-19715	Sequence 19715, A
321	67	5.4	505	2	US-09-395-115-16	Sequence 16, Appl	394	66	5.3	290	2	US-09-949-016-11638	Sequence 11638, A
322	67	5.4	505	2	US-08-123-934A-8	Sequence 8, Appl	395	66	5.3	294	1	US-08-628-291-2	Sequence 2, Appl
323	67	5.4	505	2	US-08-436-265-16	Sequence 16, Appl	396	66	5.3	294	1	US-08-628-291-2	Sequence 2, Appl
324	67	5.4	505	2	US-09-679-197-16	Sequence 16, Appl	397	66	5.3	294	1	US-08-128-722-2	Sequence 2, Appl
325	67	5.4	505	2	US-09-874-628-8	Sequence 8, Appl	398	66	5.3	294	1	US-09-328-157-1	Sequence 1, Appl
326	67	5.4	505	2	US-09-267-963D-16	Sequence 16, Appl	399	66	5.3	294	2	US-09-489-039A-12157	Sequence 12157, A
327	67	5.4	505	5	PCT-US94-10080-8	Sequence 8, Appl	400	66	5.3	318	1	US-10-135-755-1	Sequence 1, Appl
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329	67	5.4	599	2	US-09-583-110-2729	Sequence 2729, Ap	402	66	5.3	332	2	US-09-252-991A-24826	Sequence 24826, A
330	67	5.4	648	2	US-09-248-796A-17735	Sequence 17735, Ap	403	66	5.3	337	2	US-09-949-016-10573	Sequence 10573, A
331	67	5.4	654	2	US-09-107-433-4519	Sequence 4519, Ap	404	66	5.3	339	1	US-08-266-451B-22	Sequence 22, Appl
332	67	5.4	670	2	US-09-252-991A-12330	Sequence 32330, A	405	66	5.3	339	1	US-08-748-725-22	Sequence 22, Appl
333	67	5.4	690	2	US-09-543-681A-8257	Sequence 8257, Ap	406	66	5.3	348	2	US-09-902-540-11383	Sequence 11383, A
334	67	5.4	729	2	US-09-245-248B-11	Sequence 31, Appl	407	66	5.3	381	2	US-09-134-001C-3733	Sequence 3733, Ap
335	67	5.4	770	2	US-09-543-681A-6315	Sequence 6315, Ap	408	66	5.3	383	2	US-09-548-938A-11	Sequence 11, Appl
336	67	5.4	862	1	US-08-680-327-3	Sequence 3, Appl	409	66	5.3	408	2	US-09-612-564-9	Sequence 9, Appl
337	67	5.4	1824	1	US-08-228-246-2	Sequence 36, Appl	410	66	5.3	417	1	US-09-134-000C-6580	Sequence 6580, Ap
338	67	5.4	1824	1	US-08-569-806-8	Sequence 8, Appl	411	66	5.3	426	2	US-09-710-279-1456	Sequence 1456, Ap
339	66.5	5.4	227	1	US-08-961-083-18	Sequence 18, Appl	412	66	5.3	451	2		
340	66.5	5.4	258	2			413	66	5.3				
341	66.5	5.4					414	66	5.3				

415	66	5.3	482	2	US-09-252-991A-19130	Sequence 19130, A	488	65	5.2	316	2	US-10-009-962-6	Sequence 6, Appli
416	66	5.3	489	2	US-09-533-029-60	Sequence 60, Appli	489	65	5.2	324	2	US-09-154-750A-89	Sequence 89, Appli
417	66	5.3	497	2	US-09-252-991A-18755	Sequence 18725, A	490	65	5.2	367	2	US-09-252-921A-28247	Sequence 28247, A
418	66	5.3	500	2	US-08-960-190A-25	Sequence 25, Appli	491	65	5.2	370	2	US-09-252-991A-27810	Sequence 27810, A
419	66	5.3	501	2	US-09-172-952-15	Sequence 15, Appli	492	65	5.2	378	2	US-09-724-797-40	Sequence 40, Appli
420	66	5.3	560	2	US-09-248-796A-22980	Sequence 22980, A	493	65	5.2	410	2	US-09-205-448-1	Sequence 1, Appli
421	66	5.3	576	2	US-09-248-796A-20509	Sequence 20509, A	494	65	5.2	436	2	US-09-248-796A-20561	Sequence 20561, A
422	66	5.3	580	1	US-08-672-56A-1	Sequence 1, Appli	495	65	5.2	440	2	US-09-198-452A-44	Sequence 44, Appli
423	66	5.3	580	2	US-09-248-796A-14473	Sequence 14473, A	496	65	5.2	461	2	US-09-270-767-42977	Sequence 42977, A
424	66	5.3	590	2	US-09-252-991A-23447	Sequence 23447, A	497	65	5.2	478	2	US-09-252-991A-16355	Sequence 16355, A
425	66	5.3	668	2	US-09-252-991A-23447	Sequence 26712, A	498	65	5.2	567	1	US-08-261-822A-12	Sequence 12, Appli
426	66	5.3	857	2	US-09-425-335-4	Sequence 4, Appli	499	65	5.2	567	2	PCT-US95-07744A-12	Sequence 20596, A
427	66	5.3	871	2	US-09-245-041-19	Sequence 19, Appli	500	65	5.2	607	2	US-09-252-991A-20596	Sequence 3, Appli
428	66	5.3	871	2	US-09-358-055B-19	Sequence 19, Appli	501	65	5.2	637	2	US-09-852-053-3	Sequence 3, Appli
429	66	5.3	871	2	US-09-893-238-19	Sequence 19, Appli	502	65	5.2	640	2	US-09-902-540-15375	Sequence 15375, A
430	66	5.3	1061	2	US-09-252-991A-23691	Sequence 23691, A	503	65	5.2	693	2	US-09-248-796A-26890	Sequence 26890, A
431	66	5.3	1173	3	US-10-135-322-19	Sequence 19, Appli	504	65	5.2	699	2	US-09-270-767-45307	Sequence 45307, A
432	66	5.3	1272	2	US-09-787-097-18	Sequence 18, Appli	505	65	5.2	711	2	US-09-252-991A-29660	Sequence 29660, A
433	66	5.3	1350	2	US-09-245-041-17	Sequence 17, Appli	506	65	5.2	729	2	US-09-107-532A-6946	Sequence 6946, Ap
434	66	5.3	1350	2	US-09-358-055B-17	Sequence 17, Appli	507	65	5.2	748	2	US-09-902-540-13877	Sequence 13877, A
435	66	5.3	1350	2	US-09-893-238-17	Sequence 17, Appli	508	65	5.2	770	2	US-10-781-599-9	Sequence 9, Appli
436	66	5.3	1429	2	US-09-787-097-12	Sequence 12, Appli	509	65	5.2	825	7	US-09-438-185A-29	Sequence 29, Appli
437	66	5.3	1445	1	US-08-015-986A-2	Sequence 2, Appli	510	65	5.2	904	7	5244792-4	Patent No. 5244792
438	66	5.3	1445	1	US-08-446-363-2	Sequence 2, Appli	511	65	5.2	915	1	US-08-328-322-5	Sequence 5, Appli
439	66	5.3	2476	2	US-09-824-574-7	Sequence 7, Appli	512	65	5.2	915	2	US-09-252-991A-23779	Sequence 23779, A
440	65.5	5.3	184	2	US-09-134-000C-4711	Sequence 4711, Ap	513	65	5.2	932	2	US-10-176-884-15	Sequence 15, Appli
441	65.5	5.3	219	2	US-09-654-281B-8	Sequence 8, Appli	514	65	5.2	4881	2	US-09-914-286-5	Sequence 5, Appli
442	65.5	5.3	224	2	US-09-228-986-130	Sequence 130, App	515	64.5	5.2	172	2	US-08-916-576B-4	Sequence 4, Appli
443	65.5	5.3	224	2	US-10-101-464A-130	Sequence 130, App	516	64.5	5.2	172	2	US-10-078-337-4	Sequence 4, Appli
444	65.5	5.3	242	2	US-09-902-540-13487	Sequence 13487, A	517	64.5	5.2	191	2	US-09-252-991A-24515	Sequence 24515, A
445	65.5	5.3	341	2	US-09-248-796A-14575	Sequence 14575, A	518	64.5	5.2	217	2	US-09-543-681A-5430	Sequence 5490, Ap
446	65.5	5.3	345	2	US-09-543-681A-4256	Sequence 4256, Ap	519	64.5	5.2	238	2	US-09-270-767-44810	Sequence 44810, A
447	65.5	5.3	355	2	US-09-498-520A-28	Sequence 28, Appli	520	64.5	5.2	289	2	US-09-395-674B-1	Sequence 8, Appli
448	65.5	5.3	399	2	US-09-583-110-2855	Sequence 2855, Ap	521	64.5	5.2	291	2	US-09-248-796A-16362	Sequence 16362, A
449	65.5	5.3	399	2	US-09-107-433-3898	Sequence 3898, Ap	522	64.5	5.2	295	1	US-08-343-443B-107	Sequence 107, App
450	65.5	5.3	404	2	US-10-094-749-3089	Sequence 3089, Ap	523	64.5	5.2	331	2	US-09-949-016-6323	Sequence 6323, Ap
451	65.5	5.3	418	2	US-10-094-749-3257	Sequence 3257, Ap	524	64.5	5.2	335	2	US-09-949-016-1186	Sequence 7186, Ap
452	65.5	5.3	423	2	US-09-270-767-44448	Sequence 44448, A	525	64.5	5.2	376	2	US-09-252-991A-21843	Sequence 21843, A
453	65.5	5.3	433	2	US-09-328-352-6248	Sequence 6248, Ap	526	64.5	5.2	396	2	US-09-325-992A-153	Sequence 153, App
454	65.5	5.3	433	2	US-09-721-870-107	Sequence 107, App	527	64.5	5.2	427	2	US-09-248-796A-14487	Sequence 14487, A
455	65.5	5.3	457	2	US-09-583-110-4829	Sequence 4829, App	528	64.5	5.2	439	2	US-09-252-991A-19523	Sequence 19523, A
456	65.5	5.3	459	2	US-09-303-518D-214	Sequence 214, App	529	64.5	5.2	441	2	US-09-252-991A-17727	Sequence 17727, A
457	65.5	5.3	460	2	US-09-270-767-33708	Sequence 33708, A	530	64.5	5.2	452	2	US-09-902-540-13749	Sequence 13749, A
458	65.5	5.3	460	2	US-09-270-767-48925	Sequence 48925, A	531	64.5	5.2	454	2	US-09-526-043-17	Sequence 17, Appli
459	65.5	5.3	465	2	US-09-252-991A-29387	Sequence 29387, A	532	64.5	5.2	476	2	US-09-252-991A-19992	Sequence 19992, A
460	65.5	5.3	495	2	US-09-248-796A-16754	Sequence 16754, A	533	64.5	5.2	497	2	US-09-252-991A-32682	Sequence 32682, A
461	65.5	5.3	604	2	US-10-094-749-3042	Sequence 3042, Ap	534	64.5	5.2	581	2	US-08-743-168B-40	Sequence 40, Appli
462	65.5	5.3	703	2	US-10-104-047-3364	Sequence 3364, Ap	535	64.5	5.2	718	2	US-09-252-991A-25696	Sequence 25696, A
463	65.5	5.3	703	2	US-09-252-991A-17865	Sequence 17865, A	536	64.5	5.2	781	2	US-09-252-991A-26207	Sequence 26207, A
464	65.5	5.3	705	2	US-09-949-016-11418	Sequence 11418, A	537	64.5	5.2	804	2	US-10-104-047-1161	Sequence 931, Ap
465	65.5	5.3	705	2	US-09-949-002-557	Sequence 557, App	538	64.5	5.2	998	2	US-10-101-464A-931	Sequence 931, App
466	65.5	5.3	769	2	US-09-252-991A-17737	Sequence 17737, A	539	64.5	5.2	1008	2	US-09-252-991A-27063	Sequence 27063, A
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468	65.5	5.3	1122	1	US-08-619-198-3	Sequence 3, Appli	541	64.5	5.2	1052	2	US-10-094-749-2050	Sequence 2050, Ap
469	65.5	5.3	1389	1	US-08-619-198-5	Sequence 5, Appli	542	64.5	5.2	1054	2	US-09-626-301-2	Sequence 2, Appli
470	65.5	5.3	1401	2	US-08-781-891-206	Sequence 206, App	543	64.5	5.2	1064	2	US-09-626-301-4	Sequence 4, Appli
471	65.5	5.3	1401	2	US-09-618-166-206	Sequence 206, App	544	64	5.2	127	2	US-09-107-532A-5547	Sequence 5547, Ap
472	65.5	5.3	1452	2	US-09-252-991A-18118	Sequence 18118, A	545	64	5.2	152	2	US-08-858-207A-335	Sequence 335, App
473	65.5	5.3	1673	2	US-09-418-710-70	Sequence 70, Appli	546	64	5.2	166	2	US-09-902-540-16199	Sequence 16199, A
474	65.5	5.3	1673	2	US-09-839-479-69	Sequence 69, Appli	547	64	5.2	208	2	US-09-248-796A-16552	Sequence 16552, A
475	65.5	5.3	1674	2	US-09-418-710-1	Sequence 1, Appli	548	64	5.2	218	2	US-09-583-110-3950	Sequence 3950, Ap
476	65.5	5.3	1674	2	US-09-839-479-1	Sequence 1, Appli	549	64	5.2	227	2	US-09-134-000C-4509	Sequence 4509, Ap
477	65.5	5.3	2317	2	US-09-949-016-10109	Sequence 10109, A	550	64	5.2	239	2	US-09-107-433-3471	Sequence 3471, Ap
478	65.5	5.3	2860	1	US-08-826-267-2	Sequence 2, Appli	551	64	5.2	302	2	US-09-134-001C-3328	Sequence 3328, Ap
479	65.5	5.3	3340	2	US-09-252-991A-23568	Sequence 23568, A	552	64	5.2	306	2	US-10-009-962-5	Sequence 5, Appli
480	65	5.2	128	2	US-09-090-672B-38	Sequence 38, Appli	553	64	5.2	318	2	US-10-671-628-5	Sequence 5, Appli
481	65	5.2	128	2	US-09-730-555B-39	Sequence 39, Appli	554	64	5.2	324	2	US-09-252-991A-25800	Sequence 25800, A
482	65	5.2	140	2	US-09-482-273-242	Sequence 242, App	555	64	5.2	324	2	US-09-910-174B-6	Sequence 6, Appli
483	65	5.2	154	2	US-09-949-016-11274	Sequence 11274, A	556	64	5.2	324	2	US-09-620-461-6	Sequence 6, Appli
484	65	5.2	246	2	US-09-248-796A-37053	Sequence 37053, A	557	64	5.2	355	2	US-09-803-286A-12	Sequence 12, Appli
485	65	5.2	266	2	US-09-270-767-58305	Sequence 58305, A	558	64	5.2	357	2	US-09-134-000C-4229	Sequence 4229, Ap
486	65	5.2	280	2	US-09-328-352-6359	Sequence 6359, Ap	559	64	5.2	382	2	US-09-902-540-13490	Sequence 13490, A
487	65	5.2	313	2	US-09-248-796A-17065	Sequence 17065, A	597	64	5.2	452	2	US-09-489-039A-9355	Sequence 9355, Ap

598	64	5.2	470	2	US-09-252-991A-22642	Sequence 22642, A	690	63.5	5.1	302	2	US-09-107-532A-6738	Sequence 6738, Ap
599	64	5.2	474	2	US-09-058-692-2	Sequence 2, Appli	691	63.5	5.1	304	2	US-09-902-540-15013	Sequence 15013, A
600	64	5.2	474	2	US-09-584-628-2	Sequence 2, Appli	692	63.5	5.1	309	2	US-09-602-787A-328	Sequence 328, App
601	64	5.2	485	2	US-09-252-991A-4868	Sequence 24868, A	693	63.5	5.1	350	2	US-09-252-991A-18973	Sequence 18973, A
602	64	5.2	486	2	US-10-668-047A-2	Sequence 2, Appli	694	63.5	5.1	356	2	US-09-489-039A-11918	Sequence 11918, A
603	64	5.2	507	2	US-09-792-024-109	Sequence 109, App	695	63.5	5.1	359	2	US-09-134-001C-4842	Sequence 4842, Ap
604	64	5.2	509	2	US-09-252-991A-23445	Sequence 23445, A	696	63.5	5.1	363	2	US-09-270-767-44209	Sequence 44209, A
605	64	5.2	540	2	US-09-252-991A-26410	Sequence 26410, A	697	63.5	5.1	378	2	US-09-789-300A-4	Sequence 4, Appli
606	64	5.2	607	2	US-08-969-683A-59	Sequence 59, Appl	698	63.5	5.1	397	2	US-09-721-870-105	Sequence 105, Appl
607	64	5.2	607	2	US-09-830-751-10	Sequence 10, Appl	699	63.5	5.1	411	2	US-09-248-796A-15503	Sequence 15503, A
608	64	5.2	607	2	US-09-308-207-59	Sequence 59, Appl	700	63.5	5.1	428	2	US-09-134-000C-6085	Sequence 6085, Ap
609	64	5.2	649	2	US-09-489-039A-14142	Sequence 14142, A	701	63.5	5.1	436	2	US-08-669-378-4	Sequence 2, Appli
610	64	5.2	659	2	US-08-426-509A-8	Sequence 8, Appli	702	63.5	5.1	436	2	US-08-669-378-4	Sequence 2, Appli
611	64	5.2	659	2	US-08-232-545-8	Sequence 8, Appli	703	63.5	5.1	436	2	US-08-669-378-6	Sequence 6, Appli
612	64	5.2	659	2	US-09-949-016-5880	Sequence 5880, Ap	704	63.5	5.1	436	2	US-08-669-378-8	Sequence 8, Appli
613	64	5.2	659	2	US-09-977-261-8	Sequence 8, Appli	705	63.5	5.1	436	2	US-08-669-378-10	Sequence 10, Appl
614	64	5.2	659	5	PCR-US95-05008-8	Sequence 8, Appli	706	63.5	5.1	436	2	US-08-669-378-12	Sequence 12, Appl
615	64	5.2	673	2	US-09-949-016-7226	Sequence 7226, Ap	707	63.5	5.1	441	2	US-09-540-236-7016	Sequence 2016, Ap
616	64	5.2	676	2	US-09-252-991A-29658	Sequence 29658, A	708	63.5	5.1	445	2	US-09-328-352-6669	Sequence 6669, Ap
617	64	5.2	681	2	US-09-538-092-632	Sequence 534, App	709	63.5	5.1	465	2	US-09-328-352-1315	Sequence 1315, Ap
618	64	5.2	692	2	US-09-538-092-632	Sequence 534, App	710	63.5	5.1	488	2	US-09-248-796A-16184	Sequence 16184, A
619	64	5.2	704	2	US-09-248-796A-19464	Sequence 19464, A	729	63.5	5.1	491	2	US-09-522-955A-2	Sequence 2, Appli
620	64	5.2	727	2	US-09-179-558-56	Sequence 56, Appl	730	63.5	5.1	499	2	US-09-721-870-40	Sequence 40, Appl
621	64	5.2	727	2	US-09-722-825-56	Sequence 56, Appl	731	63.5	5.1	534	2	US-09-198-452A-217	Sequence 217, App
622	64	5.2	727	2	US-09-722-487-56	Sequence 56, Appl	732	63.5	5.1	534	2	US-09-438-185A-200	Sequence 200, App
623	64	5.2	727	2	US-09-722-487-56	Sequence 56, Appl	733	63.5	5.1	549	2	US-09-345-473E-32	Sequence 32, Appl
624	64	5.2	727	2	US-09-722-708-56	Sequence 56, Appl	734	63.5	5.1	549	2	US-09-252-991A-23157	Sequence 23157, A
625	64	5.2	837	2	US-09-122-126B-2	Sequence 2, Appli	735	63.5	5.1	549	2	US-09-862-027-32	Sequence 32, Appl
626	64	5.2	837	2	US-09-634-286A-2	Sequence 2, Appli	736	63.5	5.1	549	2	US-09-862-027-32	Sequence 32, Appl
627	64	5.2	837	2	US-10-247-685-2	Sequence 2, Appli	737	63.5	5.1	565	2	US-08-952-365-8	Sequence 8, Appli
628	64	5.2	837	2	US-09-949-002-380	Sequence 380, App	738	63.5	5.1	586	1	US-08-630-822A-70	Sequence 70, Appl
629	64	5.2	845	2	US-09-641-741-29	Sequence 29, Appl	739	63.5	5.1	586	1	US-09-005-069-70	Sequence 70, Appl
630	64	5.2	849	2	US-09-949-002-564	Sequence 564, App	740	63.5	5.1	586	2	US-09-171-156A-30	Sequence 30, Appl
631	64	5.2	941	2	US-09-179-558-55	Sequence 55, Appl	741	63.5	5.1	586	2	US-09-004-730A-30	Sequence 30, Appl
632	64	5.2	941	2	US-09-722-825-55	Sequence 55, Appl	742	63.5	5.1	586	2	US-08-981-799A-30	Sequence 30, Appl
633	64	5.2	941	2	US-09-722-487-55	Sequence 55, Appl	743	63.5	5.1	633	2	US-10-101-464A-916	Sequence 916, App
634	64	5.2	1005	2	US-09-770-170-4	Sequence 4, Appli	744	63.5	5.1	641	2	US-08-811-481-2	Sequence 2, Appli
635	64	5.2	1158	2	US-09-060-482-2	Sequence 2, Appli	745	63.5	5.1	660	2	US-09-462-606-61	Sequence 51, Appl
636	64	5.2	1172	2	US-09-949-016-8593	Sequence 8593, Ap	746	63.5	5.1	665	2	US-09-252-991A-26844	Sequence 26844, A
637	64	5.2	1204	2	US-09-583-110-4083	Sequence 4083, Ap	747	63.5	5.1	671	2	US-09-303-518D-330	Sequence 330, App
638	64	5.2	1262	2	US-09-107-433-5067	Sequence 5067, Ap	748	63.5	5.1	671	2	US-09-303-518D-332	Sequence 332, App
639	64	5.2	1269	2	US-09-645-456A-15	Sequence 15, Appl	749	63.5	5.1	671	2	US-09-303-518D-336	Sequence 336, App
640	64	5.2	1269	2	US-09-425-324A-15	Sequence 15, Appl	750	63.5	5.1	754	2	US-09-392-714-20	Sequence 20, Appl
641	64	5.2	1269	2	US-09-645-791-15	Sequence 15, Appl	751	63.5	5.1	763	1	US-08-677-862-2	Sequence 2, Appli
642	64	5.2	1298	2	US-09-645-456A-14	Sequence 14, Appl	752	63.5	5.1	763	1	US-09-252-991A-2	Sequence 2, Appli
643	64	5.2	1298	2	US-09-425-324A-14	Sequence 14, Appl	753	63.5	5.1	763	1	US-09-434-065-2	Sequence 2, Appli
644	64	5.2	1298	2	US-09-645-791-14	Sequence 14, Appl	754	63.5	5.1	763	2	US-08-789-275-4	Sequence 4, Appli
645	64	5.2	1324	2	US-09-645-456A-13	Sequence 13, Appl	755	63.5	5.1	763	2	US-08-789-275-5	Sequence 5, Appli
646	64	5.2	1324	2	US-09-425-324A-13	Sequence 13, Appl	756	63.5	5.1	771	2	US-09-079-532-2	Sequence 2, Appli
647	64	5.2	1324	2	US-09-645-791-13	Sequence 13, Appl	757	63.5	5.1	797	2	US-09-949-016-6761	Sequence 6761, Ap
648	64	5.2	1353	2	US-09-645-456A-11	Sequence 11, Appl	758	63.5	5.1	801	2	US-09-949-016-6588	Sequence 6588, Ap
649	64	5.2	1353	2	US-09-425-324A-11	Sequence 11, Appl	759	63.5	5.1	810	2	US-09-949-016-11152	Sequence 11152, A
650	64	5.2	1353	2	US-09-645-791-11	Sequence 11, Appl	760	63.5	5.1	865	2	US-09-281-766-19	Sequence 19, Appl
651	64	5.2	3852	2	US-10-025-225-4	Sequence 4, Appli	761	63.5	5.1	865	2	US-09-612-858-19	Sequence 19, Appl
652	64	5.2	4472	1	US-08-804-227C-2	Sequence 2, Appli	762	63.5	5.1	865	2	US-09-957-995A-19	Sequence 19, Appl
653	64	5.2	4545	1	US-08-804-227C-14	Sequence 14, Appl	763	63.5	5.1	903	1	US-08-220-151-8	Sequence 8, Appli
654	64	5.2	4585	2	US-10-025-225-6	Sequence 6, Appli	764	63.5	5.1	903	1	US-08-413-118-8	Sequence 8, Appli
655	64	5.2	4585	2	US-10-025-225-8	Sequence 8, Appli	765	63.5	5.1	903	1	US-08-473-446-8	Sequence 8, Appli
656	64	5.2	4589	2	US-10-025-225-2	Sequence 2, Appli	766	63.5	5.1	983	2	US-09-394-200-2	Sequence 2, Appli
657	64	5.2	4589	2	US-09-513-999C-4182	Sequence 4182, Ap	767	63.5	5.1	983	2	US-10-047-757-2	Sequence 2, Appli
658	64	5.2	119	2	US-09-582-337-14	Sequence 14, Appl	768	63.5	5.1	1012	2	US-08-811-461-16	Sequence 16, Appl
659	64	5.2	150	2	US-09-270-767-33829	Sequence 33829, A	769	63.5	5.1	1012	2	US-09-876-527-16	Sequence 16, Appl
660	64	5.2	158	2	US-09-270-767-48046	Sequence 48046, A	770	63.5	5.1	1028	2	US-09-583-110-4290	Sequence 4290, Ap
661	64	5.2	174	2	US-09-328-352-7878	Sequence 7878, Ap	771	63.5	5.1	1030	2	US-09-107-433-7876	Sequence 2786, Ap
662	64	5.2	223	2	US-09-817-199-4	Sequence 4, Appli	772	63.5	5.1	1045	2	US-10-104-047-2830	Sequence 2830, Ap
663	64	5.2	235	2	US-09-011-769A-27	Sequence 27, Appl	773	63.5	5.1	1156	2	US-08-996-083-1	Sequence 1, Appli
664	64	5.2	240	2	US-09-902-540-11320	Sequence 11320, A	774	63.5	5.1	1156	2	US-09-428-516-1	Sequence 1, Appli
665	64	5.2	255	2	US-09-949-016-10619	Sequence 10619, A	775	63.5	5.1	1156	2	US-09-428-516-3	Sequence 3, Appli
666	64	5.2	258	2	US-09-270-767-57880	Sequence 57880, A	776	63.5	5.1	1531	3	US-09-976-594-203	Sequence 203, App
667	64	5.2	263	2	US-09-760-787-167	Sequence 167, App	777	63.5	5.1	1733	3	US-09-958-359-21	Sequence 21, Appl
668	64	5.2	281	2	US-09-489-039A-12504	Sequence 12504, A	778	63.5	5.1	1755	2	US-09-724-126A-6	Sequence 6, Appli
669	64	5.2	289	2	US-09-949-016-8825	Sequence 8825, Ap	779	63.5	5.1	4126	2	US-09-953-096-4	Sequence 4, Appli

780	63.5	5.1	5518	2	US-09-953-096-2	Sequence 2, Appl1	872	62.5	5.0	425	2	US-09-328-352-4553	Sequence 4553, Ap
781	63	5.1	107	2	US-09-252-991A-32458	Sequence 32458, A	873	62.5	5.0	445	2	US-09-252-991A-24267	Sequence 24267, A
782	63	5.1	236	2	US-09-583-110-1029	Sequence 3029, Ap	874	62.5	5.0	446	2	US-09-761-716-2	Sequence 2, Appl1
783	63	5.1	241	2	US-09-107-433-4815	Sequence 4815, Ap	875	62.5	5.0	446	2	US-09-894-735-2	Sequence 2, Appl1
803	63	5.1	280	2	US-09-489-039A-12451	Sequence 12451, A	876	62.5	5.0	447	3	US-10-321-382-2	Sequence 2, Appl1
804	63	5.1	293	2	US-09-496-320-5	Sequence 5, Appl1	877	62.5	5.0	446	2	US-09-388-089B-2	Sequence 2, Appl1
805	63	5.1	309	2	US-10-094-749-2133	Sequence 2133, Ap	878	62.5	5.0	451	2	US-09-303-518D-210	Sequence 210, App
806	63	5.1	303	2	US-10-759-889-2	Sequence 2, Appl1	879	62.5	5.0	456	2	US-09-134-000C-5493	Sequence 5403, App
807	63	5.1	332	2	US-09-270-767-46100	Sequence 46100, A	880	62.5	5.0	468	1	US-07-985-458-4	Sequence 4, Appl1
808	63	5.1	348	2	US-09-315-794-42	Sequence 42, Appl1	881	62.5	5.0	472	2	US-09-489-039A-10123	Sequence 10123, A
809	63	5.1	348	2	US-09-389-341-42	Sequence 42, Appl1	882	62.5	5.0	475	2	US-09-388-089B-12	Sequence 12, Appl1
810	63	5.1	354	2	US-09-583-110-2980	Sequence 2980, Ap	883	62.5	5.0	493	2	US-09-248-796A-16445	Sequence 16445, A
811	63	5.1	358	5	PCT-US95-10403-2	Sequence 2, Appl1	884	62.5	5.0	498	2	US-09-388-089B-11	Sequence 11, Appl1
812	63	5.1	360	2	US-09-107-433-4464	Sequence 4464, Ap	885	62.5	5.0	504	2	US-09-252-991A-29537	Sequence 29537, A
813	63	5.1	373	2	US-09-710-279-890	Sequence 890, App	886	62.5	5.0	517	2	US-09-252-991A-18850	Sequence 18850, A
814	63	5.1	379	2	US-09-710-279-2084	Sequence 2084, Ap	887	62.5	5.0	517	2	US-09-252-991A-22249	Sequence 22249, A
815	63	5.1	385	2	US-09-134-001C-3688	Sequence 3688, Ap	888	62.5	5.0	542	2	US-09-198-452A-496	Sequence 496, App
816	63	5.1	405	2	US-09-919-497-63	Sequence 63, Appl1	889	62.5	5.0	575	2	US-09-134-000C-5478	Sequence 5478, Ap
817	63	5.1	474	2	US-09-828-995B-17	Sequence 17, Appl1	890	62.5	5.0	640	2	US-09-252-991A-32521	Sequence 32521, A
818	63	5.1	479	2	US-09-949-016-9255	Sequence 9255, Ap	891	62.5	5.0	652	2	US-09-347-833-2	Sequence 2, Appl1
819	63	5.1	502	2	US-10-104-047-2388	Sequence 2388, Ap	892	62.5	5.0	660	2	US-09-462-606-52	Sequence 52, Appl1
820	63	5.1	560	2	US-08-851-843A-6	Sequence 6, Appl1	893	62.5	5.0	671	2	US-09-538-092-739	Sequence 739, App
821	63	5.1	560	2	US-08-854-050-6	Sequence 6, Appl1	894	62.5	5.0	693	2	US-09-513-057C-2	Sequence 2, Appl1
822	63	5.1	560	2	US-09-430-323-6	Sequence 6, Appl1	895	62.5	5.0	693	2	US-09-513-057C-35	Sequence 35, Appl1
823	63	5.1	560	2	US-09-766-253-6	Sequence 6, Appl1	896	62.5	5.0	695	2	US-09-746-801A-2	Sequence 2, Appl1
824	63	5.1	560	2	US-10-054-295-6	Sequence 6, Appl1	897	62.5	5.0	695	2	US-09-746-801A-35	Sequence 35, Appl1
825	63	5.1	560	2	US-09-438-486A-6	Sequence 6, Appl1	898	62.5	5.0	695	2	US-10-719-885-2	Sequence 2, Appl1
826	63	5.1	560	3	US-10-054-611-6	Sequence 6, Appl1	899	62.5	5.0	695	2	US-10-719-885-25	Sequence 35, Appl1
827	63	5.1	578	2	US-09-248-796A-16619	Sequence 16619, A	900	62.5	5.0	696	2	US-09-438-185A-464	Sequence 464, App
828	63	5.1	585	2	US-09-902-540-16736	Sequence 16736, A	901	62.5	5.0	726	2	US-09-949-016-10050	Sequence 10050, A
829	63	5.1	598	2	US-09-107-532A-7027	Sequence 7027, Ap	902	62.5	5.0	732	2	US-09-134-000C-6359	Sequence 6359, Ap
830	63	5.1	600	2	US-09-134-001C-5293	Sequence 5293, Ap	903	62.5	5.0	818	2	US-08-811-481-22	Sequence 22, Appl1
831	63	5.1	675	2	US-09-949-016-11490	Sequence 11490, A	904	62.5	5.0	818	2	US-09-876-587-12	Sequence 12, Appl1
832	63	5.1	685	2	US-08-937-067-14	Sequence 14, Appl1	905	62.5	5.0	825	2	US-09-248-796A-16538	Sequence 16538, A
833	63	5.1	712	2	US-09-708-426-9	Sequence 9, Appl1	906	62.5	5.0	852	2	US-09-248-796A-14890	Sequence 14890, A
834	63	5.1	788	2	US-08-630-915A-30	Sequence 30, Appl1	907	62.5	5.0	863	2	US-09-751-687-16	Sequence 16, Appl1
835	63	5.1	788	2	US-09-879-957-30	Sequence 30, Appl1	908	62.5	5.0	878	2	US-09-403-618A-8	Sequence 8, Appl1
836	63	5.1	871	2	US-09-252-991A-29422	Sequence 29422, A	909	62.5	5.0	884	2	US-09-741-150-4	Sequence 4, Appl1
837	63	5.1	922	2	US-09-345-236B-89	Sequence 89, Appl1	910	62.5	5.0	884	2	US-10-160-187-4	Sequence 4, Appl1
838	63	5.1	1015	2	US-09-949-016-6276	Sequence 89, Appl1	911	62.5	5.0	898	1	US-08-867-941-11	Sequence 11, Appl1
839	63	5.1	1070	2	US-09-949-016-11321	Sequence 6276, Ap	912	62.5	5.0	921	2	US-09-427-933B-2	Sequence 2, Appl1
840	63	5.1	1422	2	US-08-469-260A-86	Sequence 86, Appl1	913	62.5	5.0	962	2	US-09-731-166-2	Sequence 2, Appl1
841	63	5.1	1422	2	US-08-488-446-86	Sequence 86, Appl1	914	62.5	5.0	1019	2	US-09-543-681A-4447	Sequence 4447, Ap
842	63	5.1	1422	2	US-08-467-344A-86	Sequence 86, Appl1	915	62.5	5.0	1185	2	US-09-252-991A-18328	Sequence 18328, A
843	63	5.1	1422	2	US-08-424-550B-86	Sequence 86, Appl1	935	62.5	5.0	1209	2	US-09-130-158A-2	Sequence 2, Appl1
844	63	5.1	1509	2	US-09-676-519-27	Sequence 27, Appl1	936	62.5	5.0	1479	2	US-10-037-417-36	Sequence 36, Appl1
845	63	5.1	1610	2	US-09-602-787A-14	Sequence 14, Appl1	937	62.5	5.0	1609	2	US-10-197-220-75	Sequence 75, Appl1
846	63	5.1	1610	2	US-09-602-787A-56	Sequence 56, Appl1	938	62.5	5.0	1617	2	US-09-198-452A-1035	Sequence 1035, Ap
847	63	5.1	1841	2	US-09-477-962-99	Sequence 99, Appl1	939	62.5	5.0	1617	2	US-09-438-185A-965	Sequence 965, App
848	63	5.1	2972	2	US-09-579-181-2	Sequence 2, Appl1	940	62.5	5.0	2439	2	US-09-074-658B-11	Sequence 11, Appl1
849	63	5.1	3118	2	US-09-579-181-1	Sequence 1, Appl1	941	62.5	5.0	2940	2	US-10-226-629A-13	Sequence 13, Appl1
850	63	5.1	5069	2	US-10-042-665A-5	Sequence 5, Appl1	942	62.5	5.0	3033	3	US-10-009-011-4	Sequence 4, Appl1
851	62.5	5.0	155	2	US-09-270-767-45172	Sequence 45172, A	943	62.5	5.0	3052	1	US-08-557-122A-26	Sequence 26, Appl1
852	62.5	5.0	215	2	US-09-710-279-1038	Sequence 1038, Ap	944	62.5	5.0	3052	1	US-09-262-666-26	Sequence 26, Appl1
853	62.5	5.0	230	2	US-09-673-395A-256	Sequence 256, App	945	62.5	5.0	67	1	US-08-470-892-6	Sequence 6, Appl1
854	62.5	5.0	271	2	US-09-107-532A-5157	Sequence 5157, Ap	946	62.5	5.0	67	1	US-08-485-069-6	Sequence 6, Appl1
855	62.5	5.0	276	2	US-09-902-540-14443	Sequence 14443, Ap	947	62.5	5.0	68	2	US-09-621-976-6361	Sequence 6361, Ap
856	62.5	5.0	280	2	US-09-583-110-3709	Sequence 3709, Ap	948	62.5	5.0	100	2	US-09-411-067C-5	Sequence 5, Appl1
857	62.5	5.0	285	2	US-09-328-352-6881	Sequence 6881, Ap	949	62.5	5.0	143	2	US-09-252-991A-21044	Sequence 21044, A
858	62.5	5.0	336	2	US-09-902-540-11891	Sequence 13891, A	950	62.5	5.0	167	2	US-08-961-083-138	Sequence 138, App
859	62.5	5.0	349	2	US-09-802-213-7	Sequence 2, Appl1	951	62.5	5.0	167	2	US-09-536-784-138	Sequence 138, App
860	62.5	5.0	351	1	US-08-468-012A-2	Sequence 2, Appl1	952	62.5	5.0	167	2	US-09-765-271-138	Sequence 138, App
861	62.5	5.0	351	2	US-09-054-989-2	Sequence 2, Appl1	953	62.5	5.0	167	2	US-09-765-272A-138	Sequence 138, App
862	62.5	5.0	352	2	US-09-434-184-56	Sequence 56, Appl1	954	62.5	5.0	202	2	US-08-882-994-3	Sequence 78, Appl1
863	62.5	5.0	354	2	US-09-134-001C-5588	Sequence 5588, Ap	955	62.5	5.0	292	2	US-09-902-540-16595	Sequence 16595, A
864	62.5	5.0	366	1	US-08-466-103A-4	Sequence 4, Appl1	956	62.5	5.0	320	2	US-09-248-796A-15335	Sequence 15335, A
865	62.5	5.0	366	1	US-08-896-365-7	Sequence 7, Appl1	957	62.5	5.0	343	2	US-09-248-796A-16140	Sequence 16140, A
866	62.5	5.0	369	2	US-09-902-540-10817	Sequence 10817, A	958	62.5	5.0	343	2	US-09-902-540-13926	Sequence 13926, A
867	62.5	5.0	381	2	US-09-134-001C-3972	Sequence 3972, Ap	959	62.5	5.0	360	2	US-09-489-039A-8125	Sequence 8125, App
868	62.5	5.0	394	2	US-09-252-991A-18502	Sequence 18502, Ap	960	62.5	5.0	370	7	US-09-489-039A-8125	Sequence 8125, App
869	62.5	5.0	407	2	US-09-489-039A-10855	Sequence 10855, A	961	62.5	5.0	380	1	US-08-773-870-5	Sequence 5, Appl1
870	62.5	5.0	421	2	US-09-668-262A-16	Sequence 16, Appl1	962	62.5	5.0	405	2	US-09-537-357-54	Sequence 54, Appl1
871	62.5	5.0	421	2	US-10-427-442-16	Sequence 16, Appl1	963	62.5	5.0	405	2	US-08-845-381E-64	Sequence 64, Appl1

964	62	5.0	426	1	US-08-455-550-21	Sequence 21, Appl	1037	61.5	5.0	325	2	US-09-248-796A-20081	Sequence 20081, A
965	62	5.0	431	2	US-09-252-991A-21632	Sequence 21632, A	1038	61.5	5.0	326	2	US-09-120-365-67	Sequence 67, Appl
966	62	5.0	433	2	US-08-624-735E-9	Sequence 9, Appl1	1039	61.5	5.0	327	2	US-09-515-039-67	Sequence 67, Appl
967	62	5.0	436	2	US-09-107-532A-6893	Sequence 6893, Ap	1040	61.5	5.0	328	2	US-09-248-796A-15071	Sequence 15071, A
968	62	5.0	481	2	US-09-248-796A-20797	Sequence 20797, A	1041	61.5	5.0	369	2	US-10-138-701-36	Sequence 36, Appl
969	62	5.0	501	1	US-08-149-105-15	Sequence 15, Appl	1042	61.5	5.0	370	2	US-09-258-991A-32690	Sequence 32690, A
970	62	5.0	501	1	US-08-317-847-15	Sequence 15, Appl	1043	61.5	5.0	375	2	US-09-134-001C-3533	Sequence 3533, Ap
971	62	5.0	505	2	US-09-382-256-8	Sequence 8, Appl1	1044	61.5	5.0	375	2	US-09-328-352-4984	Sequence 4984, Ap
972	62	5.0	505	2	US-09-395-115-8	Sequence 8, Appl1	1045	61.5	5.0	382	2	US-09-918-831-3	Sequence 3, Appl1
973	62	5.0	505	2	US-08-436-265-8	Sequence 8, Appl1	1046	61.5	5.0	394	2	US-09-107-532A-7367	Sequence 7367, Ap
974	62	5.0	505	2	US-09-679-187-8	Sequence 8, Appl1	1047	61.5	5.0	395	2	US-09-252-991A-24596	Sequence 24596, A
975	62	5.0	505	2	US-09-267-963D-8	Sequence 8, Appl1	1048	61.5	5.0	413	2	US-08-426-630-26	Sequence 26, Appl
976	62	5.0	505	2	US-09-903-068C-8	Sequence 8, Appl1	1049	61.5	5.0	417	2	US-09-270-767-5288	Sequence 5288, A
977	62	5.0	507	7	5165925-4	Patent No. 5165925	1050	61.5	5.0	417	2	US-09-270-767-5288	Sequence 5288, A
978	62	5.0	532	2	US-09-270-767-46369	Sequence 46369, A	1051	61.5	5.0	425	2	US-09-252-991A-3004	Sequence 3004, A
979	62	5.0	534	2	US-09-328-352-6713	Sequence 6713, Ap	1052	61.5	5.0	427	2	US-09-328-352-6574	Sequence 16028, A
980	62	5.0	541	2	US-09-248-796A-25057	Sequence 25057, A	1053	61.5	5.0	449	1	US-08-927-394-2	Sequence 2, Appl1
981	62	5.0	543	2	US-10-104-047-3761	Sequence 3761, Ap	1054	61.5	5.0	449	2	US-09-538-092-1372	Sequence 1372, Ap
982	62	5.0	549	2	US-09-107-532A-6840	Sequence 6840, Ap	1055	61.5	5.0	449	2	US-09-948-016-6604	Sequence 6604, Ap
983	62	5.0	550	2	US-09-252-991A-27117	Sequence 27117, A	1056	61.5	5.0	453	2	US-09-252-991A-17641	Sequence 17641, A
984	62	5.0	555	2	US-09-107-532A-6422	Sequence 6422, Ap	1057	61.5	5.0	459	2	US-09-134-000C-5404	Sequence 5404, Ap
985	62	5.0	569	2	US-09-252-991A-32290	Sequence 32290, A	1058	61.5	5.0	463	2	US-09-328-352-6574	Sequence 6574, Ap
986	62	5.0	580	2	US-08-665-259-21	Sequence 21, Appl	1059	61.5	5.0	485	2	US-10-140-372-12	Sequence 12, Appl
987	62	5.0	580	2	US-08-762-500-21	Sequence 21, Appl	1071	61.5	5.0	529	2	US-09-270-767-43463	Sequence 43463, A
988	62	5.0	591	2	US-09-134-000C-5399	Sequence 5399, Ap	1072	61.5	5.0	563	2	US-09-948-016-10153	Sequence 10153, A
989	62	5.0	617	2	US-09-252-991A-23472	Sequence 23472, A	1073	61.5	5.0	573	2	US-09-134-001C-6656	Sequence 4656, Ap
990	62	5.0	622	2	US-09-543-681A-7522	Sequence 7522, Ap	1074	61.5	5.0	579	2	US-08-743-168B-36	Sequence 36, Appl
991	62	5.0	649	2	US-09-902-540-10443	Sequence 10443, A	1075	61.5	5.0	581	2	US-09-270-767-45723	Sequence 45723, A
992	62	5.0	664	2	US-09-590-991-6	Sequence 6, Appl1	1076	61.5	5.0	596	2	US-09-248-796A-18495	Sequence 18495, A
993	62	5.0	689	2	US-09-425-335-2	Sequence 2, Appl1	1077	61.5	5.0	625	1	US-08-365-981-13	Sequence 13, Appl
994	62	5.0	911	2	US-08-460-269C-4	Sequence 4, Appl1	1078	61.5	5.0	629	2	US-10-104-047-3405	Sequence 3405, Ap
995	62	5.0	911	2	US-10-302-886-4	Sequence 4, Appl1	1079	61.5	5.0	660	2	US-09-462-606-53	Sequence 53, Appl
996	62	5.0	930	3	US-10-369-983-12	Sequence 12, Appl	1080	61.5	5.0	688	2	US-09-902-540-10297	Sequence 10297, A
997	62	5.0	950	2	US-10-009-332-1	Sequence 1, Appl1	1081	61.5	5.0	848	2	US-09-252-991A-31764	Sequence 27842, A
998	62	5.0	1007	2	US-08-961-083-216	Sequence 216, App	1082	61.5	5.0	857	2	US-09-252-991A-31764	Sequence 31764, A
999	62	5.0	1007	2	US-09-536-784-216	Sequence 216, App	1083	61.5	5.0	886	1	US-08-474-379C-65	Sequence 65, Appl
1000	62	5.0	1007	2	US-09-765-272A-216	Sequence 216, App	1084	61.5	5.0	886	2	US-09-146-249A-65	Sequence 65, Appl
1001	62	5.0	1007	2	US-09-765-272A-216	Sequence 216, App	1085	61.5	5.0	886	2	US-08-206-188B-65	Sequence 65, Appl
1002	62	5.0	1017	2	US-09-538-092-319	Sequence 319, App	1086	61.5	5.0	901	2	US-09-917-254-93	Sequence 93, Appl
1003	62	5.0	1337	2	US-08-854-585-2	Sequence 2, Appl1	1087	61.5	5.0	989	1	US-08-070-301-16	Sequence 16, Appl
1004	62	5.0	1337	5	PCT-US95-05512-2	Sequence 2, Appl1	1088	61.5	5.0	1027	1	US-09-107-532A-6675	Sequence 6675, Ap
1005	62	5.0	1337	5	PCT-US95-05512-2	Sequence 2, Appl1	1089	61.5	5.0	1536	1	US-08-038-682-2	Sequence 2, Appl1
1006	62	5.0	1527	2	US-09-695-795A-4	Sequence 4, Appl1	1090	61.5	5.0	1536	1	US-08-302-832-2	Sequence 2, Appl1
1007	62	5.0	1529	2	US-09-107-433-4771	Sequence 4771, Ap	1091	61.5	5.0	1536	1	US-08-530-138-2	Sequence 2, Appl1
1008	62	5.0	1670	2	US-09-902-540-15506	Sequence 15506, A	1092	61.5	5.0	1536	1	US-08-469-880-2	Sequence 2, Appl1
1009	62	5.0	1835	2	US-09-404-650-5	Sequence 5, Appl1	1093	61.5	5.0	1536	1	US-08-728-470-2	Sequence 2, Appl1
1010	62	5.0	1835	2	US-09-935-541-5	Sequence 5, Appl1	1094	61.5	5.0	1536	1	US-08-617-697-2	Sequence 2, Appl1
1011	62	5.0	1835	2	US-10-425-800-5	Sequence 5, Appl1	1095	61.5	5.0	1536	2	US-08-719-641-2	Sequence 2, Appl1
1012	62	5.0	1984	2	US-08-836-325-10	Sequence 10, Appl	1096	61.5	5.0	1590	2	US-09-617-099B-1	Sequence 35, Appl
1013	62	5.0	1984	2	US-09-457-571-10	Sequence 10, Appl	1097	61.5	5.0	1590	2	US-10-180-326A-1	Sequence 1, Appl1
1014	62	5.0	1989	2	US-08-836-325-12	Sequence 12, Appl	1098	61.5	5.0	1642	1	US-08-447-411-45	Sequence 45, Appl
1015	62	5.0	1989	2	US-09-457-571-12	Sequence 12, Appl	1099	61.5	5.0	1642	1	US-08-662-227-2	Sequence 2, Appl1
1016	62	5.0	2074	2	US-09-491-356C-9	Sequence 9, Appl1	1100	61.5	5.0	1642	2	US-09-017-947-2	Sequence 2, Appl1
1017	62	5.0	2138	2	US-09-583-110-5274	Sequence 5274, Ap	1101	61.5	5.0	1642	2	US-09-925-442-2	Sequence 2, Appl1
1018	61.5	5.0	123	2	US-09-107-532A-5583	Sequence 5583, Ap	1102	61.5	5.0	1648	1	US-08-662-227-35	Sequence 35, Appl
1019	61.5	5.0	123	2	US-09-107-532A-5584	Sequence 5584, Ap	1103	61.5	5.0	1648	2	US-09-017-947-35	Sequence 35, Appl
1020	61.5	5.0	123	2	US-09-134-000C-6555	Sequence 6555, Ap	1104	61.5	5.0	1648	2	US-09-925-442-35	Sequence 35, Appl
1021	61.5	5.0	178	2	US-09-202-540-15205	Sequence 15205, A	1105	61.5	5.0	1724	2	US-09-964-899-43	Sequence 43, Appl
1022	61.5	5.0	207	2	US-09-270-767-44744	Sequence 44744, A	1106	61.5	5.0	1827	2	US-09-712-363-261	Sequence 261, App
1023	61.5	5.0	208	2	US-09-369-016-9078	Sequence 9078, Ap	1107	61.5	5.0	2254	2	US-09-949-016-92970	Sequence 9270, Ap
1024	61.5	5.0	217	2	US-09-369-247-113	Sequence 113, App	1108	61.5	4.9	125	2	US-10-104-047-3195	Sequence 3195, Ap
1025	61.5	5.0	217	2	US-10-062-548-113	Sequence 113, App	1109	61.5	4.9	140	2	US-09-107-532A-6589	Sequence 6589, Ap
1026	61.5	5.0	234	2	US-09-144-776B-12	Sequence 12, Appl	1110	61.5	4.9	141	2	US-10-125-258-85	Sequence 85, Appl
1027	61.5	5.0	234	2	US-08-882-431B-12	Sequence 12, Appl	1111	61.5	4.9	142	2	US-10-125-258-52	Sequence 52, Appl
1028	61.5	5.0	244	1	US-08-762-129-4	Sequence 4, Appl1	1112	61.5	4.9	142	2	US-10-125-258-53	Sequence 53, Appl
1029	61.5	5.0	245	2	US-09-902-540-13459	Sequence 13459, A	1113	61.5	4.9	143	2	US-10-125-258-49	Sequence 49, Appl
1030	61.5	5.0	259	2	US-09-370-253-4	Sequence 4, Appl1	1114	61.5	4.9	143	2	US-10-125-258-50	Sequence 50, Appl
1031	61.5	5.0	259	2	US-09-270-767-42517	Sequence 42517, A	1115	61.5	4.9	155	2	US-10-125-258-86	Sequence 86, Appl
1032	61.5	5.0	261	2	US-09-303-518D-872	Sequence 872, App	1116	61.5	4.9	156	2	US-08-821-994-43	Sequence 42, Appl
1033	61.5	5.0	263	2	US-09-134-001C-5008	Sequence 5008, Ap	1117	61.5	4.9	167	2	US-08-821-994-43	Sequence 43, Appl
1034	61.5	5.0	275	3	US-10-375-039-40	Sequence 40, Appl	1118	61.5	4.9	194	2	US-09-252-991A-24441	Sequence 24441, A
1035	61.5	5.0	305	2	US-09-902-540-12235	Sequence 12235, A	1119	61.5	4.9	194	2	US-09-270-767-44297	Sequence 44297, A
1036	61.5	5.0	309	2	US-09-252-991A-25953	Sequence 25953, A	1120	61.5	4.9	206	2	US-08-821-994-77	Sequence 77, Appl

1121	61	4.9	208	2	US-09-125-619-47	Sequence 47, Appl	1194	61	4.9	668	2	US-09-252-991A-22794	Sequence 22794, A
1122	61	4.9	208	2	US-10-222-566-47	Sequence 47, Appl	1195	61	4.9	670	2	US-09-489-039A-913	Sequence 913, Ap
1123	61	4.9	208	2	US-10-143-024A-47	Sequence 47, Appl	1196	61	4.9	686	1	US-08-993-228-12	Sequence 12, Appl
1124	61	4.9	208	2	US-10-222-162-47	Sequence 47, Appl	1197	61	4.9	687	2	US-09-252-991A-26187	Sequence 26187, A
1125	61	4.9	213	2	US-09-771-161A-156	Sequence 156, App	1198	61	4.9	716	2	US-09-252-991A-21345	Sequence 21345, A
1126	61	4.9	225	2	US-09-270-767-34557	Sequence 34557, A	1199	61	4.9	752	2	US-09-252-991A-17355	Sequence 17355, A
1127	61	4.9	225	2	US-09-270-767-49774	Sequence 49774, A	1200	61	4.9	787	2	US-09-205-448-8	Sequence 8, Appl1
1128	61	4.9	232	2	US-10-259-275-21	Sequence 21, Appl	1201	61	4.9	822	2	US-09-886-319A-34	Sequence 34, Appl1
1129	61	4.9	251	2	US-09-270-767-46744	Sequence 46744, A	1202	61	4.9	833	2	US-09-252-991A-25227	Sequence 25227, A
1130	61	4.9	256	2	US-09-627-165E-6	Sequence 6, Appl1	1203	61	4.9	850	2	US-09-583-110-4394	Sequence 4394, A
1131	61	4.9	261	2	US-09-583-110-4382	Sequence 4382, Ap	1204	61	4.9	861	2	US-09-107-433-2860	Sequence 2860, Ap
1132	61	4.9	268	2	US-09-543-681A-7689	Sequence 7689, Ap	1205	61	4.9	861	2	US-09-902-540-12877	Sequence 12877, A
1133	61	4.9	269	2	US-09-248-796A-19631	Sequence 19631, A	1206	61	4.9	888	1	US-08-445-640-35	Sequence 35, Appl
1134	61	4.9	278	2	US-09-270-767-60766	Sequence 60766, A	1207	61	4.9	888	2	US-08-170-558-35	Sequence 35, Appl
1135	61	4.9	281	2	US-09-543-681A-4801	Sequence 4801, A	1208	61	4.9	888	2	US-08-447-314-35	Sequence 35, Appl
1136	61	4.9	310	2	US-09-489-039A-13674	Sequence 13674, A	1209	61	4.9	888	2	US-08-445-461-35	Sequence 35, Appl
1137	61	4.9	317	2	US-09-583-110-5279	Sequence 5279, Ap	1210	61	4.9	888	2	US-09-223-490-35	Sequence 35, Appl
1138	61	4.9	327	2	US-09-107-433-3331	Sequence 3331, Ap	1211	61	4.9	888	3	US-10-646-760-35	Sequence 35, Appl
1139	61	4.9	328	2	US-08-821-994-84	Sequence 84, Appl	1212	61	4.9	893	2	US-09-514-302-4	Sequence 4, Appl1
1140	61	4.9	340	2	US-09-605-703B-2064	Sequence 2064, Ap	1213	61	4.9	893	2	US-10-014-436-4	Sequence 2647, Ap
1141	61	4.9	349	2	US-08-379-556A-2	Sequence 2, Appl1	1214	61	4.9	924	2	US-10-094-749-2647	Sequence 2, Appl1
1142	61	4.9	349	2	US-10-166-225A-70	Sequence 70, Appl	1215	61	4.9	924	2	US-10-014-882-2	Sequence 2, Appl1
1143	61	4.9	360	2	US-09-107-433-4686	Sequence 4686, Ap	1216	61	4.9	1036	2	US-10-419-279-2	Sequence 2, Appl1
1144	61	4.9	374	2	US-08-821-994-67	Sequence 67, Appl	1217	61	4.9	1036	2	US-09-071-035-358	Sequence 358, App
1145	61	4.9	374	2	US-08-821-994-68	Sequence 67, Appl	1218	61	4.9	1074	2	US-09-071-035-394	Sequence 394, App
1146	61	4.9	374	2	US-08-821-994-69	Sequence 69, Appl	1219	61	4.9	1074	2	US-10-206-576-358	Sequence 358, App
1147	61	4.9	378	2	US-09-270-767-46290	Sequence 46290, A	1220	61	4.9	1074	2	US-10-206-576-394	Sequence 394, App
1148	61	4.9	394	2	US-09-248-796A-23067	Sequence 23067, A	1221	61	4.9	1240	2	US-09-538-092-658	Sequence 658, App
1149	61	4.9	401	2	US-09-543-681A-4678	Sequence 4678, Ap	1222	61	4.9	1416	2	US-09-902-540-12991	Sequence 12991, A
1150	61	4.9	410	2	US-09-270-767-45273	Sequence 45273, Ap	1223	61	4.9	1938	2	US-09-514-302-2	Sequence 2, Appl1
1151	61	4.9	417	2	US-09-816-094-4	Sequence 4, Appl1	1224	61	4.9	1938	2	US-10-014-436-2	Sequence 2, Appl1
1152	61	4.9	417	2	US-10-233-613-4	Sequence 4, Appl1	1225	61	4.9	2316	2	US-09-949-002-314	Sequence 314, App
1153	61	4.9	417	2	US-10-639-429-4	Sequence 4, Appl1	1226	61	4.9	2415	2	US-09-949-002-198	Sequence 388, App
1154	61	4.9	426	2	US-09-134-000C-6678	Sequence 6678, Ap	1227	61	4.9	7831	2	US-09-902-540-12902	Sequence 12902, A
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1454 60 4.8 692 2 US-09-902-540-11794 Sequence 11794, A
1455 60 4.8 708 2 US-09-131-648-2 Sequence 2, Appl1
1473 60 4.8 724 2 US-09-562-737-21 Sequence 21, Appl1
1474 60 4.8 752 2 US-09-252-991A-29967 Sequence 29967, A
1475 60 4.8 752 2 US-09-252-991A-20231 Sequence 20231, A
1476 60 4.8 767 2 US-09-917-254-69 Sequence 69, Appl1
1477 60 4.8 767 2 US-09-919-497-59 Sequence 59, Appl1
1478 60 4.8 834 2 US-09-252-991A-28145 Sequence 28145, A
1479 60 4.8 838 2 US-09-712-363-150 Sequence 150, App
1480 60 4.8 853 2 US-10-094-749-2780 Sequence 2780, Ap
1481 60 4.8 900 2 US-08-890-865A-4 Sequence 4, Appl1
1482 60 4.8 922 2 US-10-104-047-2694 Sequence 2694, Ap
1483 60 4.8 923 2 US-09-583-638-2 Sequence 2, Appl1
1484 60 4.8 1013 2 US-09-415-522-8 Sequence 8, Appl1
1485 60 4.8 1014 2 US-10-101-464A-807 Sequence 807, App
1486 60 4.8 1035 2 US-09-751-389-4 Sequence 4, Appl1
1487 60 4.8 1140 2 US-09-538-092-6647 Sequence 647, App
1488 60 4.8 1161 2 US-09-252-991A-29048 Sequence 29048, A
1489 60 4.8 1277 2 US-09-645-456A-12 Sequence 12, Appl1
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1496 60 4.8 1297 2 US-09-291-417D-14 Sequence 14, Appl1
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RESULT 1
US-09-148-545-280
US-09-280, Application US/09148545
Sequence 280, Appl1
Patent No. 6590075
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001P1
CURRENT FILING DATE: 1998-09-04
EARLIER APPLICATION NUMBER: PCT/US98/04482
EARLIER FILING DATE: 1998-03-06
EARLIER APPLICATION NUMBER: 60/040,162
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EARLIER APPLICATION NUMBER: 60/048,974
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/056,886
EARLIER FILING DATE: 1997-08-22
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EARLIER FILING DATE: 05-Sep-1997
EARLIER APPLICATION NUMBER: 60/047,599
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EARLIER FILING DATE: 1997-08-22
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EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/057,650
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056,884
EARLIER FILING DATE: 1997-08-22
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 280
LENGTH: 168

Query Match 70.5%; Score 875; DB 2; Length 168;
Best Local Similarity 100.0%; Pred. No. 8.3e-91;
Matches 168; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 WISARVLVDGEHVGFLKTDGSPVVDHIPSQSYVVEVVSAPYRFPDVRVDITSGKKRRA 120
DB 61 WISARVLVDGEHVGFLKTDGSPVVDHIPSQSYVVEVVSAPYRFPDVRVDITSGKKRRA 120
QY 121 RYVNIKTSEVVRLPYPLQMKSSGPPSYFIRRESGWTDPLMNPVMM 168

Db 121 RYVNYIKTSEVRLPYPLQMKSSGPPSYFIKRESGWTDFLNNPVMVM 168

RESULT 2
US-09-621-011-280
Sequence 280, Application US/09621011
Patent No. 6878687
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001P1
CURRENT APPLICATION NUMBER: US/09/621,011
CURRENT FILING DATE: 2000-07-20
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 280
LENGTH: 168
TYPE: PRT
ORGANISM: Homo sapiens
US-09-621-011-280

Query Match
Best Local Similarity 100.0%; Pred. No. 8.3e-91;
Matches 168; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 121 RYVNYIKTSEVRLPYPLQMKSSGPPSYFIKRESGWTDFLNNPVMVM 168
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RESULT 3
US-09-621-976-3888
Sequence 3888, Application US/09621976
Patent No. 6639063
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Jobert, S.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: ESTs and Encoded Human Proteins.
FILE REFERENCE: GENSET.054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent .pm
SEQ ID NO 3888
LENGTH: 155
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SIGNAL
LOCATION: -23...-1
US-09-621-976-3888

Query Match
Best Local Similarity 100.0%; Pred. No. 2.3e-82;
Matches 155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 WISARVLVDGEHVGFLKTDGSPVVDIPSGSYVEVVSAPYRDPVAVDITTSKGMRA 120
Db 61 WISARVLVDGEHVGFLKTDGSPVVDIPSGSYVEVVSAPYRDPVAVDITTSKGMRA 120

Db 61 WISARVLVDGEHVGFLKTDGSPVVDIPSGSYVEVVSAPYRDPVAVDITTSKGMRA 120

QY 121 RYVNYIKTSEVRLPYPLQMKSSGPPSYFIKRESW 155
Db 121 RYVNYIKTSEVRLPYPLQMKSSGPPSYFIKRESW 155

RESULT 4
US-09-513-999C-4221
Sequence 4221, Application US/0951399C
Patent No. 6783961
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Duclert, A.
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
Patent No. 6783961
FILE REFERENCE: 59.US2.REG
CURRENT APPLICATION NUMBER: US/09/513,999C
CURRENT FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/122,487
PRIOR FILING DATE: 1999-02-26
NUMBER OF SEQ ID NOS: 36681
SOFTWARE: Patent .pm
SEQ ID NO 4221
LENGTH: 88
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SIGNAL
LOCATION: -46...-1
OTHER INFORMATION: score 6.5
OTHER INFORMATION: seq LLIFVLKVVNT/SD
US-09-513-999C-4221

Query Match
Best Local Similarity 100.0%; Pred. No. 6.9e-44;
Matches 88; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 200 MLNSNHELVDVSEFMTRLFSSKSSGKS 227
Db 61 MLNSNHELVDVSEFMTRLFSSKSSGKS 88

RESULT 5
US-09-148-545-198
Sequence 198, Application US/09148545
Patent No. 6590075
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001P1
CURRENT APPLICATION NUMBER: US/09/148,545
EARLIER APPLICATION NUMBER: PCT/US98/04482
EARLIER FILING DATE: 1998-03-06
EARLIER APPLICATION NUMBER: 60/040,162
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,333
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/038,621
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EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/056,632
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,664
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,876
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,881
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,909
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,875
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,862
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,887
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,908
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/048,964
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/057,650
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056,884
EARLIER FILING DATE: 1997-08-22
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 198
LENGTH: 74

Query Match 29.5%; Score 367; DB 2; Length 74;
Best Local Similarity 100.0%; Pred. No. 8.3e-34; Indels 0; Gaps 0;

Matches 74; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 169 MVLPLILFVLLPKVNTSDPDMRREMOSMMNLNSNHELPDVSEPMTRLFSSKSSGKSSS 228
DB 1 MVLPLILFVLLPKVNTSDPDMRREMOSMMNLNSNHELPDVSEPMTRLFSSKSSGKSSS 60

QY 229 GSSKTGKSGAGKRR 242
DB 61 GSSKTGKSGAGKRR 74

RESULT 6
US-09-621-011-198
Sequence 198, Application US/09621011
Patent No. 6878687
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001P1
CURRENT APPLICATION NUMBER: US/09/621,011
CURRENT FILING DATE: 2000-07-20
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 198
LENGTH: 74
TYPE: PRT
ORGANISM: Homo sapiens
US-09-621-011-198

Query Match 29.5%; Score 367; DB 2; Length 74;
Best Local Similarity 100.0%; Pred. No. 8.3e-34; Indels 0; Gaps 0;
Matches 74; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 169 MVLPLILFVLLPKVNTSDPDMRREMOSMMNLNSNHELPDVSEPMTRLFSSKSSGKSSS 228
DB 1 MVLPLILFVLLPKVNTSDPDMRREMOSMMNLNSNHELPDVSEPMTRLFSSKSSGKSSS 60

QY 229 GSSKTGKSGAGKRR 242

DB 61 GSSKTGKSGAGKRR 74

RESULT 7
US-09-471-276-815
Sequence 815, Application US/09471276
Patent No. 6822072
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Duclert A.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
Patent No. 6822072
FILE REFERENCE: GENSET.025CPI
CURRENT APPLICATION NUMBER: US/09/471,276
CURRENT FILING DATE: 1999-12-21
EARLIER APPLICATION NUMBER: 09/057,719
EARLIER FILING DATE: 1998-04-09
EARLIER APPLICATION NUMBER: 09/069,047
EARLIER FILING DATE: 1998-04-28
EARLIER APPLICATION NUMBER: PCT/IB99/00712
EARLIER FILING DATE: 1999-04-09
NUMBER OF SEQ ID NOS: 1622
SOFTWARE: Patent.pm
SEQ ID NO 815
LENGTH: 50
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SIGNAL
LOCATION: -23...-1
US-09-471-276-815

Query Match 19.2%; Score 239; DB 2; Length 50;
Best Local Similarity 98.0%; Pred. No. 1.4e-19; Indels 0; Gaps 0;

Matches 48; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MAALMGFPVLLLLSGDVOSSEVPGAAEGSGGSGVGIGDFKIEG 49
DB 1 MAALMGFPVLLLLSGDVOSSEVPGAAEGSGGSGVGIGDFKIEG 49

RESULT 8
US-10-104-047-3933
Sequence 3933, Application US/10104047
Patent No. 6943281
GENERAL INFORMATION:
APPLICANT: HELIX RESEARCH INSTITUTE
TITLE OF INVENTION: NO. 6943241e1 full length cDNA
FILE REFERENCE: H1-A0105
CURRENT APPLICATION NUMBER: US/10/104,047
CURRENT FILING DATE: 2002-03-25
PRIOR APPLICATION NUMBER:
PRIOR FILING DATE:
NUMBER OF SEQ ID NOS: 4096
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 3933
LENGTH: 250
TYPE: PRT
ORGANISM: Homo sapiens
US-10-104-047-3933

Query Match 7.6%; Score 94.5; DB 2; Length 250;
Best Local Similarity 23.3%; Pred. No. 0.041; Indels 81; Gaps 11;

Matches 55; Conservative 28; Mismatches 72; Indels 81; Gaps 11;

QY 27 PGAAEGSGGSGVGIGDFKIEGRAVVGVRPODWISARVLDGEEHVGFLKTDGSEFVV 86
DB 41 PRDTRAGGCGGTGGRPSAKGN-----GCGPRPV-----VQSDHQGTSKDLGSAEX 90
QY 87 HD-----IPGSGYVEVVSPPAYRFDPRVDITSGKMR-----RYVNYIKTSE 130

Db 91 HOESEKPSFLPSGA-----PASEILRLKELTRAVSAQVAVSLQKFNCRITQ 137
Qy 111 VV-----RLPYPLMKSSGPPSYFIKRSKWTDFLNMPTMMMLPLILIVLPKVVN 184
Db 138 MIKMFNSREFYIOMKESARQAI-----SDGVTD-----PMLVVL----- 174
Qy 185 TSDPMRMEQSMNM---LNSNHELDP-----VSEFMRLPSSKSSGSSGSSGSK 232
Db 175 -----RNSLFPQALNMHYKNGDFEVPDCELEIASLTLOEFFRAVSAGSDSPSK 225

RESULT 9
US-09-538-092-979

; Sequence 979, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:
; APPLICANT: Glot, Loic
; APPLICANT: Mansfield, Traci A.
; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
; FILE REFERENCE: 15966-542
; CURRENT APPLICATION NUMBER: US/09/538,092
; CURRENT FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 60/127,352
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: 60/178,965
; PRIOR FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 1387
; SOFTWARE: CurafatSeqFormatter Version 0.9
; SEQ ID NO 979
; LENGTH: 5032
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: Polypeptide Accession Number P21817
US-09-538-092-979

Query Match 7.0%; Score 86.5; DB 2; Length 5032;
Best Local Similarity 22.3%; Pred. No. 35;
Matches 68; Conservative 29; Mismatches 95; Indels 113; Gaps 14;

Qy 5 LMGFF-----PVLLLLLSG--DVQSEVPG-----AAEAGSGSGCV 39
Db 4352 LMGSLFGGLVGGAKKAVVTLELAMPDPTSDVEVHGEPAGFGADGEGASGAGDAE 4411
Qy 40 GIGDRFKLEGRAVVPVGRPODWISARVLDGEHVGFLKTDGSPVVDI----- 89
Db 4412 GAGDEEAHVHAGPFGA-----DGAVAVTDG-----GPFRRPGAGGLDMGRTTPAPEPT 4461
Qy 90 PEGSTVVE-----VVSAPYRFPVPRVDITSGKKRPARVNYIKTSEVR 133
Db 4462 PEGSILRLKRLGVGDVEBELPRPEPEPEPELEPEKADAENGEK-----EEVP 4509
Qy 134 LPYPLQMSGSPSYFIRRES-----WG-----WTDLMLNPMVMVPLLI----- 175
Db 4510 EPTPEPPPKQAPRPPPKKEEGGFEWGLEVQRYKFNLYSRNFYTRFLALFLAFAIN 4569
Qy 176 FVLLPKVNTSDPDMRMEQSMNMLNSNHELDPVSEFMTRLFSSKSSGSSGSSGSKTGK 235
Db 4570 FILFVYKVSDBPG-EDMWSGA-----ADVDGAGSGSGSGMG- 4607
Qy 236 SGAGK 240
Db 4608 LGAGE 4612

RESULT 10
US-09-148-545-279
; Sequence 279, Application US/09148545
; Patent No. 6590075
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.

FILE REFERENCE: P2001P1
TITLE OF INVENTION: 70 Human Secreted Proteins
CURRENT APPLICATION NUMBER: US/09/148,545
CURRENT FILING DATE: 1998-09-04
EARLIER APPLICATION NUMBER: PCT/US98/04482
EARLIER FILING DATE: 1998-03-06
EARLIER APPLICATION NUMBER: 60/040,162
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,333
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/038,621
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,161
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,626
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,334
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,336
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,163
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/047,615
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,600
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,597
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,502
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,633
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,583
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,617
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,618
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,503
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,592
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,581
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,584
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,500
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,587
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,492
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,598
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,613
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,582
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,596
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,612
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,632
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,601
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,580
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,568
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,314
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,569

EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,311
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,671
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,674
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,669
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EARLIER APPLICATION NUMBER: 60/043,312
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EARLIER APPLICATION NUMBER: 60/043,313
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EARLIER APPLICATION NUMBER: 60/043,672
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,315
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/048,974
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/056,886
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,877
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,889
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,893
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,630
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,878
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,662
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,872
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,882
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,637
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,903
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,888
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,879
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EARLIER APPLICATION NUMBER: 60/056,880
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,894
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,911
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,636
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,874
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,910
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,864
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,631
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,845
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,892
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/047,595
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/057,761
EARLIER FILING DATE: 05-SEP-1997
EARLIER APPLICATION NUMBER: 60/047,599
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,588
EARLIER FILING DATE: 1997-05-23

EARLIER APPLICATION NUMBER: 60/047,585
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,586
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,590
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,594
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,589
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,593
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,614
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,578
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,576
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/047,501
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,670
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/056,632
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,664
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,876
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,881
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,909
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,875
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,862
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,887
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,908
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/048,964
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/057,650
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056,884
EARLIER FILING DATE: 1997-08-22
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 279
LENGTH: 17

Query Match 6.9%; Score 86; DB 2; Length 17;
Best Local Similarity 100.0%; Pred. No. 0.0057;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 105 FDPVRVDITSGKKRRAR 121
DB 1 FDPVRVDITSGKKRRAR 17

RESULT 11
US-09-621-011-279
Sequence 279, Application US/09621011
Patent No. 6878687
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 70 Human Secreted Proteins
FILE REFERENCE: P2001P1
CURRENT APPLICATION NUMBER: US/09/621,011
CURRENT FILING DATE: 2000-07-20
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 280
SOFTWARE: PatentIn Ver. 2.0

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; SEQ ID NO 279
; LENGTH: 17
; TYPE: prt
; ORGANISM: Homo sapiens
US-09-621-011-279

Query Match
Best Local Similarity 6.9%; Score 86; DB 2; Length 17;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 105 FDPVRVDITSGKMRAR 121
DB 1 FDPVRVDITSGKMRAR 17

RESULT 12
US-09-328-352-6122
; Sequence 6122, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 6122
; LENGTH: 213
; TYPE: prt
; ORGANISM: Acinetobacter baumannii
US-09-328-352-6122

Query Match
Best Local Similarity 6.9%; Score 85.5; DB 2; Length 213;
Matches 42; Conservative 37; Mismatches 47; Indels 69; Gaps 11;

QY 42 GDRFIEGRAVVPYKRPQDWISAARVLDGEHVGFLKTDGSG---FVYHDIPEGSYV 96
DB 2 GIKMDQGLV-----EWFD-----EKGYGFIDPDDEKERVFL-----HIK 38

QY 97 EVVSPAYRFDPV-----RVDTSGKMRARVYVYIKTSEVVRLLPYLQMKSS----- 143
DB 39 DPARGPR--PIIGCALELVILDERGRRAQOVYLLKASQTRKASKPAKTQSSFOASPW 96

QY 144 -----GPPSYFIKRESWGWTDFLNNPVMVWLPL--LILFVLLPKVNN-----TSDPDM-- 190
DB 97 SAMQGIYFVFV-----LMGIMSFHILPVTLLFVLMNVLSWLYSQDKKAAQ 146

QY 191 ---RREMOSNMN 202
DB 147 LGNRVRPEOTLHIVS 161

RESULT 13
US-09-902-540-13003
; Sequence 13003, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 13003
; LENGTH: 434
; TYPE: prt
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; ORGANISM: Myxococcus xanthus
US-09-902-540-13003

Query Match
Best Local Similarity 6.9%; Score 85.5; DB 2; Length 434;
Matches 39; Conservative 26; Mismatches 42; Indels 65; Gaps 9;

QY 40 GIGRFXIEGRAVVGK-KPQDWISAARVLDGEHVGFLKTDGSGFVYHDIQS---GSTV 95
DB 161 GIGRAVTLRGLKEGTGRPE--GARLGGVDEIP-LAQDGRFVVGSLPSWPSRR 216

QY 96 VEVVSP-----AYRDPVRVDITSGKMRARVYN 124
DB 217 VEVASPVSRPRVPAATEQA-FDRPREGVRDAEYTVKAYRVLVLRKMGAMRAQIEAR--- 273

QY 125 YIKTSEVVRLLPYPL-----QMKSSGPPSYFIKRESWGWTDFLNP 164
DB 274 -----TQKPPYVVLQRMWHEKQWELASSGA---YIQEED-GVAVSILRP 314

RESULT 14
US-09-949-016-11641
; Sequence 11641, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11641
; LENGTH: 459
; TYPE: prt
; ORGANISM: Human
US-09-949-016-11641

Query Match
Best Local Similarity 6.9%; Score 85.5; DB 2; Length 459;
Matches 42; Conservative 33; Mismatches 47; Indels 45; Gaps 11;

QY 81 DGSFVY-HDIPSGSYVEVSP-----AYRDPVRVDITSGKMRAR-VYVYIKTS-- 129
DB 242 EGVYVMVGADVPFSSCLREVENPQQLRCSQEMEBV--ITCDKKFRQFYIDCKISLV 298

QY 130 -----EVV-----LRYFLQMKSSGPPSYFIKRESWGWTDFLNNPVMVWLPLLI 175
DB 299 DKTQVSTYQEVIRGEIGILPDGGEYK--PPSDLSKRDY-YTFPLTL-LAVPSAVALLV 353

QY 176 FVLLPKVY-----NTSDPDMRREMOSNMNLSNHELDPVSE 212
DB 354 FLILAYIMCCRREGVEKKNMOTPDII--QLVHNSAIQSTKELRDMSK 398

RESULT 15
US-10-037-417-110
; Sequence 110, Application US/10037417
; Patent No. 6903201
; GENERAL INFORMATION:
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Alsobrook II, John P
; APPLICANT: Tchiernev, Velizar T
; APPLICANT: Liu, Xiaohong
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Patturajan, Meera
```

```

: APPLICANT: Grose, William M
: APPLICANT: Lepley, Denise M
: APPLICANT: Burgess, Catherine E
: APPLICANT: Verne, Corine A.M.
: APPLICANT: Li, Li
: APPLICANT: Gorman, Linda
: APPLICANT: Edinger, Shlomit R
: APPLICANT: Sciore, Paul
: APPLICANT: Ellerman, Karen
: APPLICANT: Malyankar, Uriel M
: APPLICANT: Rothenberg, Mark
: APPLICANT: Stone, David J
: APPLICANT: Boldog, Ferenc L
: APPLICANT: Guo, Xiaojia
: APPLICANT: Shenoy, Suresh G
: APPLICANT: Anderson, David W
: APPLICANT: Padigar, Muralidhara
: APPLICANT: Taupier Jr, Raymond J
: APPLICANT: Miller, Charles E
: APPLICANT: Eisen, Andrew J
: TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
: FILE REFERENCE: 21402-235
: CURRENT APPLICATION NUMBER: US/10/037,417
: PRIOR FILING DATE: 2002-09-20
: PRIOR APPLICATION NUMBER: 60/260,018
: PRIOR FILING DATE: 2001-01-05
: PRIOR APPLICATION NUMBER: 60/260,360
: PRIOR FILING DATE: 2001-01-08
: PRIOR APPLICATION NUMBER: 60/272,411
: PRIOR FILING DATE: 2001-02-28
: PRIOR APPLICATION NUMBER: 60/272,817
: PRIOR FILING DATE: 2001-03-02
: PRIOR APPLICATION NUMBER: 60/291,186
: PRIOR FILING DATE: 2001-05-15
: PRIOR APPLICATION NUMBER: 60/303,231
: PRIOR FILING DATE: 2001-07-05
: PRIOR APPLICATION NUMBER: 60/305,060
: PRIOR FILING DATE: 2001-07-12
: PRIOR APPLICATION NUMBER: 60/318,405
: PRIOR FILING DATE: 2001-09-10
: PRIOR APPLICATION NUMBER: 60/318,700
: PRIOR FILING DATE: 2001-09-12
: NUMBER OF SEQ ID NOS: 227
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 110
: LENGTH: 1242
: TYPE: PRT
: ORGANISM: Homo sapiens
: US-10-037-417-110

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